Artistry in Sound

ONKYO®

EQ-101

Stereo Graphic Equalizer

Instruction Manual

• Congratulations on your purchase of the ONKYO EQ-101 Graphic Equalizer. • Please read this manual thoroughly before making connections and turning power on. • Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from your new EQ-101. • Please retain this manual for future reference.

Features

- **Seven Independent Frequency Bands for Both Channels**
  There are seven level controls for each channel with center frequencies ranging from 63 Hz to 16 kHz. Separate left and right channel controls mean you can balance the subtle difference between channels to tailor response to the listening room.
- **LED Indicators for Each Frequency Band**
  The green LED indicators on each level control let you monitor response settings even at a considerable distance from the unit. The vivid display makes it possible to step back, do a listening test at the desired control setting, and still be able to monitor equalizer response.
- **Equalizer Bypass Switch**
  To turn off the equalizer circuitry entirely, simply press the equalizer bypass switch. This is useful when listening with headphones, or more importantly, when comparing compensated and straight signals.
- **Tape Input Provided for Tape Monitoring**
- **Attractive Styling Matches Other ONKYO Components**

"WARNING"

"TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE."

CAUTION

"TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL."

- The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Important safeguards

1. **Read Instructions** – All the safety and operating instructions should be read before the appliance is operated.
2. **Retain Instructions** – The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** – All warnings on the appliance and in the operating instructions should be adhered to.
4. **Follow Instructions** – All operating and use instructions should be followed.
5. **Water and Moisture** – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
6. **Carts and Stands** – The appliance should be used only with a cart or stand that is recommended by the manufacturer.

6A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and combination to overturn.

PORTABLE CART WARNING

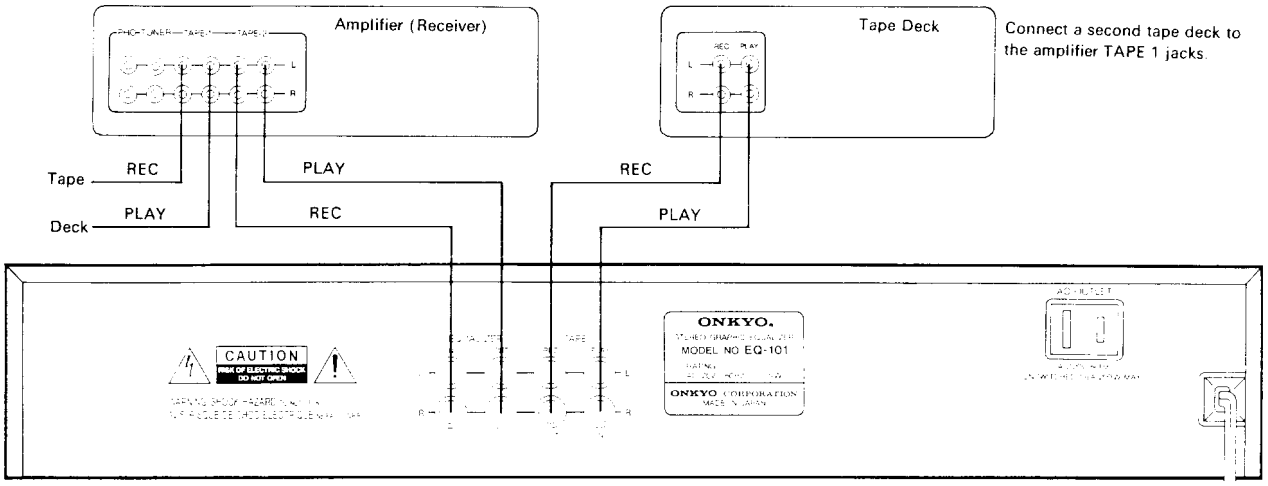
S3125A

7. **Wall or Ceiling Mounting** – The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. **Ventilation** – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. **Heat** – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
10. **Power Sources** – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. **Polarization** – If the appliance is provided a polarized plug having on blade wider than the other, please read the following information; The polarization of the plug is a safety feature. The polarized plug will only fit the outlet one way. If the plug does not fit fully into the outlet, try reversing it. If there is still trouble, the user should seek the services of a qualified electrician. Under no circumstances should the user attempt to defeat the polarization of the plug.
12. **Power-Cord Protection** – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
13. **Cleaning** – The appliance should be cleaned only as recommended by the manufacturer.
14. **Nonuse Periods** – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
15. **Object and Liquid Entry** – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
16. **Damage Requiring Service** – The appliance should be serviced by qualified service personnel when:
    A. The power-supply cord or the plug has been damaged; or x8
    B. Objects have fallen, or liquid has been spilled into the appliance; or
    C. The appliance has been exposed to rain; or
    D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
    E. The appliance has been dropped or the enclosure damaged.
17. **Servicing** – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

- **Warranty Card**
  The serial number is written on the rear panel of this unit. Copy the serial number and model number onto your warranty card and keep it in a safe place.
- **Care**
  From time to time you should wipe off the front and rear panels and the cabinet with a soft cloth. For heavier dirt, dampen a soft cloth in a weak solution of mild detergent and water, wring it out dry, and wipe off the dirt. Following this, dry immediately with a clean cloth. Do not use rough material, thinners, alcohol or other chemical solvents or cloths since these could damage the finish or remove the panel lettering.

System connections

- Do not plug in the power cord until all connections have been made.

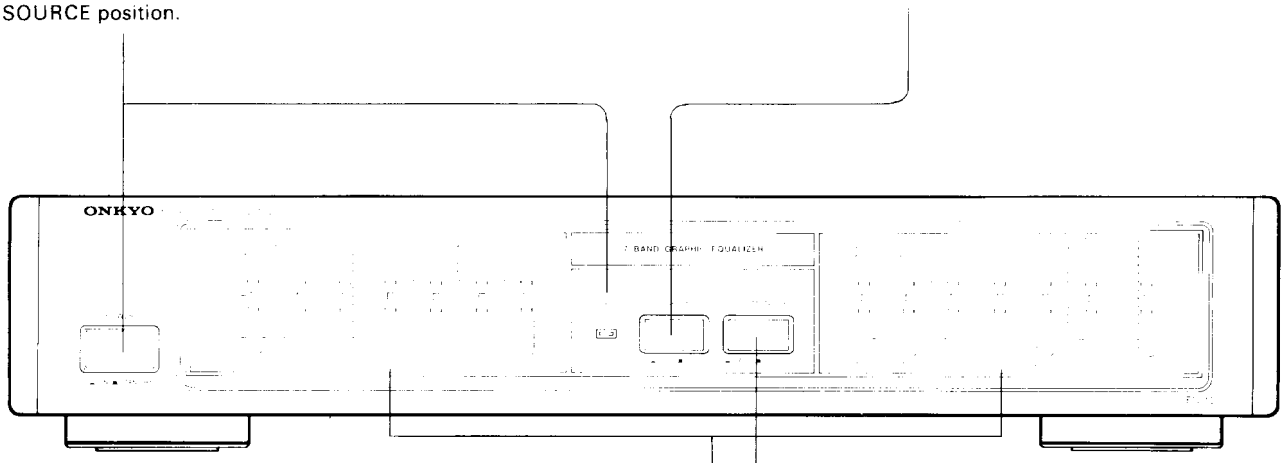


On each pair of input or output jacks, the lower jack (marked R) corresponds to the right channel, and the upper jack (marked L) to the left channel. When jacks on other equipment or connection cables are color coded, the color red usually corresponds to the right channel (Red = Right).

Front panel facilities

Power Switch (POWER) and Indicator
Depress once to turn power ON and once again to turn power OFF. When Power is turned on, the Power Indicator lights. When Power is turned OFF, set the EQUALIZER switch to the OFF position or the Tape monitor switch of the Amplifier to the SOURCE position.

Equalizer Switch (EQUALIZER)
Depress to the OFF position (▬) to turn off the equalization effect set by the level controls. In the ON position (■) (Level Control Indicator lights), the program source is equalized according to the settings of the level controls.



Level Controls and Indicators
Each control raises and lowers the response of the frequency range centered at the indicated frequency. Above the center '0' click-stop position, response is emphasized; below the '0' position, response is attenuated.

Monitor Switch (TAPE MONITOR)
Depress to the TAPE position (▬) to equalize the playback signal from the tape deck connected to the rear panel TAPE jacks. In the SOURCE position (■), the signal from the amplifier connected to the rear panel EQUALIZER INPUT jacks is input for equalization.

Operations

Normal Equalization

- To equalize the signal from the amplifier, set the TAPE MONITOR switch to the SOURCE position and the EQUALIZER switch to the ON position.
- To hear the unequalized signal from the amplifier, set the TAPE MONITOR switch to the SOURCE position and the EQUALIZER switch to the OFF position.
- To equalize the signal from the tape deck connected to the rear panel TAPE jacks, set the TAPE MONITOR switch to the TAPE position and the EQUALIZER switch to the ON position.
- To hear the unequalized signal from the tape deck connected to the rear panel TAPE jacks, set the TAPE MONITOR switch to the TAPE position and the EQUALIZER switch to the OFF position.

Recording

- To record the equalized program source on the tape deck connected to the rear panel TAPE jacks, set the TAPE MONITOR switch to the SOURCE position and the EQUALIZER switch to the ON position.
- To record the unequalized program source on the tape deck connected to the rear panel TAPE jacks, set the TAPE MONITOR switch to the SOURCE position and the EQUALIZER switch to the OFF position.

Dubbing

- Tapes can be dubbed (copied) from the tape deck connected to the amplifier to the tape deck connected to the EQ-101. To perform dubbing, put the original tape in the deck connected to the amp and the blank tape in the deck connected to the EQ-101. Set the TAPE MONITOR switch to the SOURCE position. Then set the amplifier to the dubbing mode and start playback of the first deck and recording of the second deck. If the amplifier is equipped for dubbing in either direction, the original tape can be put in the deck connected to the EQ-101 and the blank tape in the other deck.

Trouble shooting guide

Trouble	Cause	Remedy
No power.	• The power cord is not plugged in.	• Plug in the power cord.
Power but no sound.	• TAPE MONITOR switch is in the TAPE position. • Bad connections.	• Set to SOURCE position. • Check input and output pin plugs.
Hum, low frequency noise.	• Poor or no input ground.	• Check outer conductor of input plugs.
Howling when the volume is turned up.	• Turntable and speakers are too close together. • Low frequency level controls are set too high.	• Move them farther apart. • Lower level control settings until howling stops.
Rough or schatchy sound; high range not clear.	• High frequency level controls are set too high.	• Lower level controls as much as possible.

Specifications

Input:	Input sensitivity (FLAT): 150mV
	Input impedance: 50 kohms
Output:	Output voltage (FLAT): 150mV
	Output impedance: 1.0 kohms
Max. input:	5 volts, 20Hz—20kHz, 0.05% THD
Frequency response:	10Hz to 35kHz (+0, —0.5dB)
Total harmonic distortion:	Less than 0.01% at 20Hz-20kHz, 1.5V output (FLAT)
Signal to noise ratio:	100 dB, 1.5V output, IHF-A input short
Adjustable range:	±12 dB
Gain:	0 dB
Power supply:	AC 120V, 60Hz
Dimensions:	455(W) × 90(H) × 302.5(D) mm
	17-15/16" × 3-1/2" × 11-15/16"
Weight:	3.0 kg, 6.6 lbs.

Specifications and features are subject to change without notice.

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